

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017635**Date Inspected:** 20-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu Le Feng, Qiu Wen**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG/TOWER**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Umesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

OBG Segment 11AE-11BE.

This QA Inspector performed verification Ultrasonic Testing (ABF Request No: UT-11E-028R1) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a separate data sheet that Caltrans QA generates after performing a joint inspection with ABF ultrasonic testing personnel. The location of the inspection was identified as weld between two Deck panels at intersection of OBG segment 11AE & 11BE. The weld designations were as;

OBE11-003. (11AE-11BE, DP-A1)

OBE11-004. (11AE-11BE, DP-A2)

BAY 11, West Tower Lift 5 (NWIT # 07037)

This QA inspector performed Ultrasonic Testing (UT) of repair area of weld joint previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as Tower Components. The weld designations reviewed are as follows.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

WSD1-TL5-4B/F-003

This Quality Assurance (QA) Inspector observed the following work in progress:

BAY 11, OBG BIKE PATH

FCAW welding of plug weld joint 013 located on BK004A2-017.

Welder is identified as 042218. ZPMC CWI is identified as Mr. Xu Le Feng.

The welding variables recorded by QC appeared to comply with WPS-B-T-2132.

SMAW welding of weld joint 013 & 014 located on BK005B8-004.

Welder is identified as 044541. ZPMC QC is identified as Mr. Wang Chuan Xin.

The welding variables recorded by QC appeared to comply with WPS-B-P-2113.

SMAW welding of weld joint 053 & 054 located on BK005B8-004.

Welder is identified as 044541. ZPMC QC is identified as Mr. Wang Chuan Xin.

The welding variables recorded by QC appeared to comply with WPS-B-P-2112.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang : 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Gaikwad,Umesh	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
